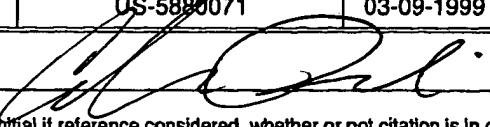


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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	
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				First Named Inventor	Burd Mehta
				Art Unit	1765 1637
				Examiner Name	Jennine Brown → Chris Basic
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U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document No.	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number - Kind Code (if known)	MM-DD-YYYY		
CM/0	AA	US-4390403	06-28-1983	Batchelder	
	AB	US-4683202	07-28-1987	Mullis	
	AC	US-4908112	03-13-1990	Pace	
	AD	US-5126022	06-30-1992	Soane et al.	
	AE	US-5164055	11-17-1992	Dubrow	
	AF	US-5264101	11-23-1993	Demorest et al.	
	AG	US-5426039	06-20-1995	Wallace et al.	
	AH	US-5498392	03-12-1996	Wilding et al.	
	AI	US-5571410	11-05-1996	Swedberg	
	AJ	US-5585069	12-17-1996	Zanzucchi et al.	
	AK	US-5587128	12-24-1996	Wilding et al.	
	AL	US-5593838	01-14-1997	Zanzucchi et al.	
	AM	US-5603351	02-18-1997	Cherukuri et al.	
	AN	US-5635358	06-03-1997	Wilding et al.	
	AO	US-5637469	06-10-1997	Wilding et al.	
	AP	US-5699157	12-16-1997	Parce	
	AQ	US-5716825	02-10-1998	Hancock et al.	
	AR	US-5750015	05-12-1998	Soane et al.	
	AS	US-5770029	06-23-1998	Nelson et al.	
	AT	US-5779868	07-14-1998	Parce et al.	
	AU	US-5800690	09-01-1998	Chow et al.	
	AV	US-5842787	12-01-1998	Kopf-Sill et al.	
	AW	US-5852495	12-22-1998	Parce	
	AX	US-5869004	02-09-1999	Parce et al.	
	AY	US-5874212	02-23-1999	Prockop et al.	
✓	AZ	US-5876675	03-02-1999	Kennedy	
✓	BA	US-5880071	03-09-1999	Parce et al.	

Examiner Signature		Date Considered	6/7/05
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			Attorney Docket Number	100/03021	

<i>AMS</i>	BB	US-5882465	03-16-1999	McReynolds	
	BC	US-5885470	03-23-1999	Parce et al.	
	BD	US-5942443	08-24-1999	Parce et al.	
	BE	US-5948227	09-07-1999	Dubrow	
	BF	US-5955028	09-21-1999	Chow	
	BG	US-5957579	09-28-1999	Kopf-Sill et al.	
	BH	US-5958203	09-28-1999	Parce et al.	
	BI	US-5958694	09-28-1999	Nikiforov	
	BJ	US-5959291	09-28-1999	Jensen	
	BK	US-5964995	10-12-1999	Nikiforov et al.	
	BL	US-5965001	10-12-1999	Chow et al.	
	BM	US-5965410	10-12-1999	Chow et al.	
	BN	US-5972187	10-26-1999	Parce et al.	
	BO	US-5976336	11-02-1999	Dubrow et al.	
	BP	US-5989402	11-23-1999	Chow et al.	
	BQ	US-6001231	12-14-1999	Kopf-Sill	
	BR	US-6004515	12-21-1999	Parce et al.	
	BS	US-6007690	12-28-1999	Nelson et al.	
	BT	US-6011252	01-04-2000	Jensen	
	BU	US-6012902	01-11-2000	Parce	
	BV	US-6013166	01-11-2000	Heller	
	BW	US-6042710	03-28-2000	Dubrow	
	BX	US-6046056	04-04-2000	Parce et al.	
	BY	US-6068752	05-30-2000	Dubrow et al.	
	BZ	US-6071478	06-06-2000	Chow	
	CA	US-6074725	06-13-2000	Kennedy	
	CB	US-6080295	06-27-2000	Parce et al.	
	CC	US-6306590	10-23-2001	Mehta	
	CD	US-6445682	09-24-2002	Barron	

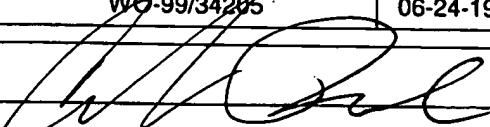
Examiner Signature	<i>McReynolds</i>	Date Considered	<i>6/7/05</i>
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	CE	US-6492118	12-10-2002	Abrams et al.	
	CF	US-20010035351	11-01-2001	Simpson et al.	

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Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code - Number - Kind Code (if known)			
AMO	CG	WO-96/04547	02-15-1996	Lockheed Martin	
	CH	WO-97/02357	01-23-1997	Affymetrix	
	CI	WO-98/00231	01-08-1998	Caliper	
	CJ	WO-98/00705	01-08-1998	Caliper	
	CK	WO-98/00707	01-08-1998	Caliper	
	CL	WO-98/02728	01-22-1998	Caliper	
	CM	WO-98/05424	02-12-1998	Caliper	
	CN	WO-98/22811	05-28-1998	Caliper	
	CO	WO-98/45481	10-15-1998	Caliper	
	CP	WO-98/45929	10-15-1998	Caliper	
	CQ	WO-98/46438	10-22-1998	Caliper	
	CR	WO-98/49548	11-05-1998	Caliper	
	CS	WO-98/55852	12-10-1998	Caliper	
	CT	WO-98/56505	12-17-1998	Caliper	
	CU	WO-98/56956	12-17-1998	Caliper	
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	CW	WO-99/10735	03-04-1999	Caliper	
	CX	WO-99/12016	03-11-1999	Caliper	
	CY	WO-99/16162	04-01-1999	Caliper	
	CZ	WO-99/19516	04-22-1999	Caliper	
	DA	WO-99/19056	04-22-1999	Caliper	
	DB	WO-99/29497	06-17-1999	Caliper	
	DC	WO-99/31495	06-24-1999	Caliper	
V	DD	WO-99/34205	06-24-1999	Caliper	

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CMR	DE	WO-99/43432	09-02-1999	Caliper		
	DF	WO-99/44217	09-02-1999	Caliper		
	DG	WO-99/56954	11-11-1999	Caliper		
	DH	WO-99/64848	12-16-1999	Caliper		
	DI	WO-00/09753	02-24-2000	Caliper		
	DJ	WO-00/50172	08-31-2000	Caliper		
✓	DK	WO-00/60108	10-12-2000	Caliper		
	DL	WO-01/14064	03-01-2001	Caliper		

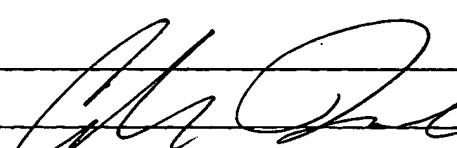
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
CMR	DM	Barringer et al. "Blunt-end and single-strand ligations by Escherichia coli Ligase: influence on an in vitro amplification scheme," <u>Gene</u> (1990) 89(1):117-122
	DN	Beskin et al. "On the mechanism of the modular primer effect" <u>Nucl. Acids Res.</u> (1995) 23(15):2881-2885
	DO	Cheng et al. <u>Nature</u> (1994) 369:684-685
	DP	Cohen, C.B. et al. "A Microchip-Based Enzyme Assay for Protein Kinase A" <u>Anal. Chem.</u> (1999) 27:89-97
	DQ	Dasgupta, P.G. et al., "Electroosmosis: A Reliable Fluid Propulsion System for Flow Injection Analysis" <u>Anal. Chem.</u> (1994) 66:1792-1798
	DR	Effenhauser et al. "High-speed separation of antisense oligonucleotides on a micromachined capillary electrophoresis device" <u>Anal. Chem.</u> (1994) 66:2949-2953
	DS	Fouassier et al. "Polymerisation induite sous irradiation laser visible" <u>Makromol. Chem.</u> (1991) 192:245-260
	DT	Guatelli et al., <u>PNAS</u> (1990) 87:1874
	DU	Hagiwara et al. "Long distance sequencer method: a novel strategy for large DNA sequencing projects" <u>Nucl. Acids Res.</u> (1996) 24(12):2460-2461
	DV	Ike et al., "Electrostatic and Hydrodynamic Separation of DNA Fragments in Capillary Tubes" <u>Anal. Chem.</u> (1996) 68:4321-4325
✓	DW	Jacobson, S.C. et al., "Fused Quartz Substrates for Microchip Electrophoresis" <u>Anal. Chem.</u> (1995) 67:2059-2063
	DX	Kwah et al., <u>PNAS</u> (1990) 86:1173

Examiner Signature		Date Considered	GT 7/05
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				Art Unit	1755 16 37
				Examiner Name	Jennine Brown Chris B. S. 12
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<i>CRNS</i>	DY	Landegren et al. <u>Science</u> (1988) 241:1077-1080	
	DZ	Lantz et al., "Detection of Pathogenic <i>Yersinia enterocolitica</i> in Enrichment Media and Pork by a Multiplex PCR: A Study of Sample Preparation and PCR-inhibitory Components" <u>Int'l. J. Food Microbiol.</u> (1998) 45:93-105	
	EA	Manz, A. et al., "Electroosmotic pumping and electrophoretic separations for miniaturized chemical analysis systems," <u>J. Micromech. Microeng.</u> (1994) 4:257-265	
	EB	Neckers et al. "Photopolymerization using derivatives of fluorescent" <u>Polym. Material Sci. Eng.</u> (1989) 60:15	
	EC	Porter et al. "Direct PCR sequencing with boronated nucleotides" <u>Nucl. Acids Res.</u> (1997) 25(8):1611-1617	
	ED	Raja et al. "DNA sequencing using differential extension with nucleotide subsets (DENS)" <u>Nucl. Acids Res.</u> (1997) 25(4):800-805	
	EE	Ramsey, J.M. et al., "Microfabricated chemical measurement systems" <u>Nature Med.</u> (1995) 1:1093-1096	
	EF	Seiler, K. et al., "Planar Glass Chips for Capillary Electrophoresis: Repetitive Sample Injection, Quantitation, and Separation Efficiency" <u>Anal. Chem.</u> (1993) 65:1481-1488	
	EG	Seiler, K. et al., "Electroosmotic Pumping and Valveless Control of Fluid Flow Within a Manifold of Capillaries on a Glass Chip" <u>Anal. Chem.</u> (1994) 66:3485-3491	
	EH	Sooknanan et al., <u>Biotechnology</u> (1995) 13:563-564	
	EI	Sundberg, S.A. "High-Throughput and Ultra-High-Throughput Screening: solution - and cell-based approaches" <u>Curr. Opin. Biotech.</u> (2000) 11:47-53	
	EJ	Van Brunt <u>Biotechnology</u> (1990) 8:291-294	
	EK	Watson et al., "Purification and Characterization of a Common Soil Component which Inhibits the Polymerase Chain Reaction," <u>Can. J. Microbiol.</u> (2000) 46:632-642	
	EL	Wilding et al. "PCR in a silicon microstructure" <u>Clin. Chem.</u> (1994) 40(9):1815-1818	
	EM	Witt et al., "Techniques for the Evaluation of Nucleic Acid Amplification technology Performance with Specimens Containing Interfering Substances: Efficacy of boom Methodology for Extraction of HIV-1 RNA" <u>J. Virological Methods</u> (1999) 79:97-111	
<i>✓</i>	EN	Woolley et al. "Ultra-high-speed DNA fragment separations using microfabricated capillary array electrophoresis chips" <u>PNAS USA</u> (1994) 91:11348-11352	
	EO	Wu et al., <u>Genomics</u> (1989) 4:560-569	

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